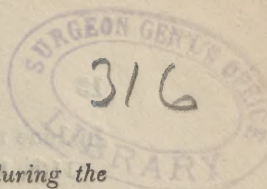


Peter, (R)



A Summary of Meteorological Observations made during the months of April, May and June, 1837, in the city of Lexington, Ky. By ROBERT PETER, M. D. &c.

(Reported to the College of Physicians and Surgeons.)

The mean height of the Barometer, in inches;

	At 7 A. M.	At 1 P. M.	At 9 P. M.	Mean height for the month.
In April was	28,94	28,94	28,95	28,94
" May "	28,99	28,97	28,98	28,98
" June "	28,98	28,96	28,97	28,97

Mean height of the mercury during the three months;

28,97 28,956 28,963 28,96

The maximum height of the mercury;

In April was 29,25 inches on the evening of the 28th.
" May " 29,18 " morning of the 1st.
" June " 29,15 " " 22nd.

The minimum height,

In April was 28,51 inches on the morning of the 8th.
" May " 28,44 " at 1 P. M. on the 16th.
" June " 28,62 " " 19th.

The greatest range of the mercury during the three months was ,81 of an inch.

RAIN fell, in April on ten days;—the 2d, the day and night of the 3d, the 4th, 5th, night of the 6th, on the 9th, 17th, 19th, 23d, and night of the 30th.

Snow fell on the 2d and 8th, and

Hail on the night of the 30th. The whole amount of water which fell in this month, was 2 inches.

In May rain fell on eleven days;—on the 3rd, 5th, night of the 11th, on the 14th, 16th, 17th, 18th, day and night of the 24th, and of the 25th, on the 29th and the day and night of the 30th. Hail on the 24th. The whole amount was about 4 "

In June rain fell on fifteen days;— on the 1st, 5th, 6th, 11th, 12th, 13th, 14th, 16th, day and night of 18th and 19th, on the 23d, day and night of the 26th, on the 27th, 28th, and 29th. The whole amount was about 6,65 inches.

During the three months *rain* fell on thirty-six days; snow on two days, and hail on two days. The whole amount of water which fell was 12,64 “

A very heavy rain fell between the night of the 18th and the morning of the 20th of June, accompanied by thunder and a south wind, which gradually veered around to the west by the night of the 19th, and finally blew from the N. W. Nearly 3,70 inches of rain fell during this one storm.

A *Thunder Storm* occurred at half past 9, P. M. on the 30th of April, wind S. W. at sunset, high. Rain and hail fell at about 11 P. M. For three days preceding this storm the atmosphere had been hazy, and the mercury in the barometer was not observed to stand below 29,01 inches.

Three *Thunder Storms* occurred, in May. The first at half past 9 P. M. on the 5th. Wind in morning S., veered round to S. W. in the middle of the day, and N. W. at night. Rain 0,35 of an inch.

The second about the middle of the day on the 14th. Wind in the morning S., evening S. W. and W.; next day, in the morning wind N. and in the evening N. W.

The third was on the 24th, at half past 9 A. M. Upper clouds passing N. W., the lower ones S. W.—0,35 inch rain. Clear at noon. Rain again at 7 P. M. Upper clouds W., lower S. Rain on the two succeeding nights and the next day, giving 2,4 inches of water more. Wind getting around to N. W. on the 25th.

In June, thunder storms occurred on six days; viz:— On the 4th, at 6 A. M. and at 1½ P. M.; Clouds W.; very little rain.

On the 5th at noon; wind W.—0,35 of an inch of rain, by 3 P. M.

On the 6th at 7 P. M. Wind in morning S. W., evening W.; 0,8 of an inch of rain.

On the 11th, at 9 P. M., N. W.; 0,15 of an inch of rain.

On the 19th in the morning, wind S.; at 1 P. M. it was S. W.; in the evening W. Next day cloudy. Clearing on the 21st. Clouds N. W.

On the 29th, thunder at 3 P. M. 0,10 of an inch of rain. Wind S. W.

The mean temperature;

	At 7 A. M.	At 1 P. M.	At 9 P. M.	Mean of the month.
Of April was	42,5°	57,3°	48°	49°
" May "	57,3	73,3	62,5	64
" June "	66,	77,5	69,	71

Mean of the three months;

55,3	69,3	59,8	61,3
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The maximum height of the thermometer,

In April was 88° at 1 P. M. on the 30th.

" May " 90 " " 4th.

" June " 87 " 3rd and 5th.

The minimum temperature,

In April was 29° on the morning of the 1st.

" May " 44 " " 16 and 17th.

" June " 50 evening of the 20th.

An *aurora borealis* was observed on the 21st of April between the hours of 7 and 8, P. M. It was not quite so vivid as the last one noticed.

The *last frost* was seen on the morning of the 16th of May. The spring was a very backward one. Peach-trees were in bloom as late as the 23rd of April.

On the 25th of June the atmosphere presented all the phenomena which attend what is called *Indian summer*;—the same smoky appearance and the same red aspect of the sun. This state of the atmosphere was cleared up by rains.

